

WHAT IS CLAIMED IS:

1. A recording and reproducing method of an information recording medium in which the information recording and reproduction can be conducted,

5 said recording and reproducing comprising the steps of:

when the information is recorded according to a simple format,

detecting a recording status of the medium, and

10 recording ~~the~~ ^a recording control data according to a standard format, whose amount is smaller as compared to ~~the~~ ^a predetermined recording control data.

2. The recording and reproducing method of the information recording medium according to Claim 1, wherein

15 the recording control data is recorded in a recording manager area and a lead-in area, in a data recording area, the recording manager area, a lead-in area, and the lead-out area, which are predetermined according to the standard format.

3. The recording and reproducing method of the information recording medium according to Claim 2, wherein

in the lead-out area, the lead-out information for an integer times of an error correction unit block is recorded.

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4. The recording and reproducing method of the information recording medium according to Claim 2, wherein

the recording control data for 32ECC blocks is recorded in the lead-out area, the lead-out information for 32ECC blocks being recorded in the lead-out area.

10 5. The recording and reproducing method of the information recording medium according to Claim 1, wherein

when the finalizing processing is conducted on the information recording medium in which information is recorded according to the simple format, the recording control data according to the standard format is recorded again.

15 6. The recording and reproducing method of the information recording medium according to Claim 1, wherein

when the information recording is indicated, the information in the delay time required up to the actual recording start of the information is temporarily held, and the held information is recorded from the start time of the actual recording.

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7. An information recording and reproducing apparatus which
records and reproduces the information to the information
recording medium on which the information recording and
5 reproduction can be conducted,

15 said information recording and reproducing apparatus
comprising:

20 means for recording and reproducing the information to
the information recording medium on which the information
recording and reproduction can be conducted, and

25 a recording control data recording means for recording
the recording control data according to the simple format, whose
amount is smaller as compared to the predetermined recording
control data according to the standard format.

30 8. The information recording and reproducing apparatus
according to Claim 7, wherein

35 said recording control data recording means records the
recording control data according to the simple format in a
recording manager area and a lead-in area, in the data recording
20 area, the recording manager area, the lead-in area, and the
lead-out area, which are predetermined according to the
predetermined standard format.

9. The information recording and reproducing apparatus according to Claim 8, wherein

said recording control data recording means records the recording control data for 32 ECC blocks in the lead-out area,

5 the lead-out information for 32ECC blocks being recorded in the lead-out area.

10. The information recording and reproducing apparatus according to Claim 7, further comprising:

10 a finalizing processing means for re-recording the recording control data according to the standard format in the information recording medium on which the information recording is conducted according to the simple format.

15 11. The information recording and reproducing apparatus according to Claim 7, further comprising:

an information recording means for temporarily holding the information in the delay time necessary up to the actual recording start of the information, when the information recording is indicated, and for recording the held information 20 from the start time of the actual recording.

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